



European Aviation Safety Agency

SUPPLEMENTAL TYPE CERTIFICATE

EASA.IM.A.S.02942 Revision 1

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EC) No. 1702/2003 to

Micro AeroDynamics, Inc.

4000 Airport Road Suite D

Anacortes,

WA 98221

United States

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Product Type Certificate Number: FAA TC/TCDS No. 3A13, 3A17, A18EU, A42EU

Type Certificate Holder: Cessna Aircraft Company

Model:

Cessna 182C, Cessna 182D, Cessna 182E, Cessna 182F, Cessna 182G, Cessna 182H, Cessna 182J, Cessna 182K, Cessna 182L, Cessna 182M, Cessna 182N, Cessna 182P, Cessna 182Q, Cessna 182R, Cessna 182S, Cessna F-182-P, Cessna F-182-Q, Cessna FR-172-E, Cessna FR-172-F, Cessna FR-172-G, Cessna FR-172-H, Cessna FR-172-J, Cessna FR-172-K, Cessna FR-182, Cessna R172K, Cessna R182, Cessna T182, Cessna TR182, Cessna R172E/F/G/H/J, Cessna 182T, Cessna T182T

Original STC Number: FAA STC SA00834SE

Description of Design Change:

Installation of vortex generators on the wings and tail surfaces in accordance with the provisions of AML SA00834SE.

Associated Technical Documentation:

Approval of this change in type design applies to the aircraft listed on AML SA00834SE SE only. This approval should not be extended to other aircraft on which other previously approved modification are incorporated unless it is determined that the relationship between this change and any other previously approved modification, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and AML must be maintained as part of the permanent records for the modified aircraft.

Limitations and Conditions:

1. Prior to installation of this modification the installer must determine that the interrelationship between this modification and any other previously installed modification will introduce no adverse effect upon the airworthiness of the product.
2. The installation of this modification by third persons is subject to written permission of the approval holder and holding and disposal of the approved appropriate documentation.

This Certificate shall remain valid unless otherwise surrendered or revoked.

For the European Aviation Safety Agency,

Date of issue: 27 October 2008


Roger HARDY
Certification Manager

STC - EASA.IM.A.S.02942 Revision 1 - Micro AeroDynamics, Inc.

Department of Transportation - Federal Aviation Administration Supplemental Type Certificate

Number SA950CB

This certificate, issued to: Horton STOL-Craft
Wellington Municipal Airport
Wellington, Kansas 67152

certifies that the change in the type design for the following product with the limitations and conditions
therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air

Regulations dated November 1, 1949, as amended by 3-1 through 3-12 and paragraph
3.112 as amended October 1, 1959, for the Model 182R and on.

Original Product - Type Certificate Number: 3A13

Make: Cessna

Model: 182, 182A, B, C, D, E, F, G, H, J, K, L, M,
N, P, Q, R182, TR182, T182, and 182R

Description of Type Design Change

Install STOL kits (wing leading edge cuffs, drooped tips, stall fences and aileron
gap seals) per drawings and data called out on FAA approved copy of STOL-Craft
Drawing List #1.

COPY

Limitations and Conditions: 1. Airplane Flight Manual Supplement dated October 31,
1980, or May 20, 1982, is required equipment for the R182 and TR182, and dated
May 20, 1982, only for the T182 and 182R airplanes when this modification is
installed. 2. This approval should not be extended to other specific airplanes
of this model on which other previously approved modifications are incorporated,
unless it is determined that the interrelationship between this change and any of
those other previously approved modifications will introduce no adverse effect
upon the airworthiness of that airplane.

This certificate and the supporting data which is the basis for approval shall remain in effect until
revoked, suspended, rechecked, or a termination date is otherwise established by the Administrator of the
Federal Aviation Administration.

Date of application: April 4, 1973

Date received: May 16, 1977

Date of issuance: September 10, 1973

Date amended: February 1, 1974, March 18, 1981,
May 20, 1982

By direction of the Administrator

Vincent V. Reemert
(Signature)

For Robert A. Gambrill, Jr., Acting Chief
Wichita Aircraft Certification Office
(Title)



Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.